

METHOD AND APPARATUS FOR CONTROLLING
EXHAUST EMISSIONS FROM A COMPRESSION-IGNITION ENGINE

ABSTRACT OF THE INVENTION

A method and control system for a compression-ignition engine with an exhaust aftertreatment system that controls exhaust emissions by controlling the operating temperature of the exhaust aftertreatment device, to avoid exceeding a predetermined temperature. Operation of the compression-ignition engine is monitored using engine fuel delivery and engine speed. The temperature of the exhaust aftertreatment device is determined, based upon the monitored operation of the compression-ignition engine and the exhaust aftertreatment system. An operating point of the engine is then controlled, based upon the determined temperature of the exhaust aftertreatment device. The temperature of the exhaust aftertreatment device is preferably monitored using a temperature sensor.